

FORM PTO-1390  
(REV 12-29-99)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

22350/12 09 / 508805

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

Not Assigned

INTERNATIONAL APPLICATION NO.  
PCT/IL98/00458INTERNATIONAL FILING DATE  
17 September 1998PRIORITY DATE CLAIMED  
17 September 1997

## TITLE OF INVENTION ISOTOPIC GAS ANALYZER

APPLICANT(S) FOR DO/EO/US Ben-Oren, Colman, Carlebach, Giron, Levitsky

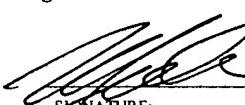
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4.  A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  has been transmitted by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  have been transmitted by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (**Declaration is not executed**)
10.  A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11. to 16. below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A **FIRST** preliminary amendment.
- A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  A substitute specification.
15.  A change of power of attorney and/or address letter.
16.  Other items or information:

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Not Assigned	INTERNATIONAL APPLICATION NO. PCT/IL98/00458	ATTORNEY'S DOCKET NUMBER 22350/12	
<p>17. <input type="checkbox"/> The following fees are committed:</p> <p><b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5) ) :</b></p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$970.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$840.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$690.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$670.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$96.00</p>		CALCULATIONS PTO USE ONLY	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$ 840.00	
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	111 - 20 =	91	X \$18.00 \$ 1,638.00
Independent claims	25 - 3 =	22	X \$78.00 \$ 1,716.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$260.00	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 3,354.00	
<p>Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).</p>		\$	
<b>SUBTOTAL =</b>		\$ 3,354.00	
<p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p>		\$	
<b>TOTAL NATIONAL FEE =</b>		\$ 3,354.00	
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p>		\$	
<b>TOTAL FEES ENCLOSED =</b>		\$ 3,354.00	
		Amount to be refunded: \$	
		charged: \$	
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 3,354.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.</p>			
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>			
<p>SEND ALL CORRESPONDENCE TO:</p> <p><b>Amster, Rothstein &amp; Ebenstein</b>  <b>90 Park Avenue</b>  <b>New York, NY 10016</b></p>			
 <p>SIGNATURE:  <b>Michael J. Berger</b></p>			
<p>NAME  <b>25,829</b></p>			
<p>REGISTRATION NUMBER</p>			

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\*NOT ADMITTED IN NEW YORK

March 16, 2000

via Express Mail

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

"Express Mail" mailing label No. EL375536515US

Date of Deposit: March 16, 2000

I hereby certify that this paper or fee is being deposited  
with the United States Postal Service "Express Mail Post  
Office to Addressee" service under 37 CFR 1.10 on the date  
indicated above and is addressed to the Commissioner of  
Patents and Trademarks, Washington, D.C. 20231.

Name: Ilan Ben-Oren

Signature: John Ellison

Re: New U.S. Patent Application  
Title: ISOTOPIC GAS ANALYZER  
Inventors: Ilan Ben-Oren, Lewis Colman, Ephraim Carlebach,  
Boaz Giron, and Gershon Levitsky  
Our File : 22350/12

Dear Sir:

Pursuant to 35 U.S.C. § 371 and 37 C.F.R. § 1.495, enclosed please find an application for patent in the names of Ilan Ben-Oren, Lewis Colman, Ephraim Carlebach, Boaz Giron, and Gershon Levitsky, entitled "ISOTOPIC GAS ANALYZER" for entering the national stage in the United States of America, comprising the following:

1. a copy of PCT Application No. IL98/00458 as published under WO 99/14576 including PCT Application cover sheet (2 sheets), specification (46 sheets), claims (12 sheets - 90 claims), and drawings (29 sheets - figs. 1A-36);
2. a copy of the International Search Report (5 sheets);

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3. a Preliminary Amendment;
4. a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (Form PTO 1390);
5. an unexecuted combined Declaration and Power of Attorney for Patent; and
6. a check in the amount of \$3,354.00 to cover the basic national fee pursuant to 37 C.F.R. § 1.492(a)(5), the fee for the ninety-one (91) claims in excess of twenty (20) under 37 C.F.R. § 1.16(c), and the fee for the twenty-two (22) independent claims in excess of three (3) under 37 C.F.R. § 1.16(b).

Please charge any outstanding amount or credit any overpayment of the fees required for filing this Application to Deposit Account No. 01-1785. A duplicate copy of this letter is enclosed. Please also acknowledge receipt of the enclosed documents by stamping the enclosed postcard and returning the same to us.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN  
Attorneys for Applicant  
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New York, New York 10016  
(212) 697-5995

  
By \_\_\_\_\_  
Michael J. Berger, Esq.  
Registration No. 25,829

Dated: March 16, 2000